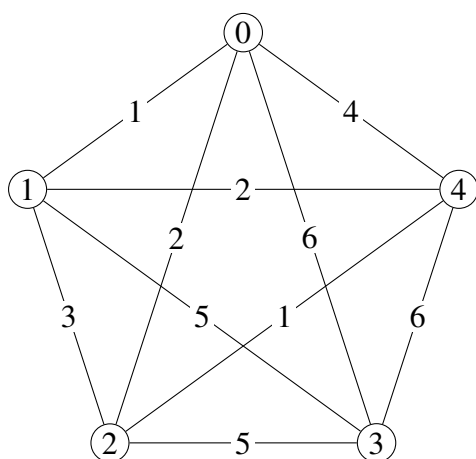


Name: \_\_\_\_\_ score: \_\_\_\_\_ / 10

There are 10 points possible on this quiz. No aids (book, notes, etc.) are permitted. You may use a calculator. **Show all work and supporting calculations for full credit. Explain how you get your answers.**

1. (3 points) Use Kruskal's Algorithm to find a minimum weight spanning tree in the graph below. A brief outline of Kruskal's Algorithm and a chart of edges ordered by weight is included.



edge	weight
01	1
24	1
02	2
14	2
12	3
04	4
13	5
23	5
03	6
34	6

Draw the minimum weight spanning tree below:

①

②

④

Minimum weight: \_\_\_\_\_

②

③

- 

- 

Euler circuit: \_\_\_\_\_